

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-017869**Date Inspected:** 22-Oct-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Zhu Zhong Hai**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** Orthotropic Box Girder(OBG)**Summary of Items Observed:**

On this day CALTRANS OSM Quality Assurance (QA) Inspector Manoj Prabhune was present during the times noted above for observations relative to the fabrication of the SAS Superstructure being performed by Zhenhua Port Machinery Company (ZPMC) at Changxing Island in Shanghai, China. QA observed and/or found the following:

This QA Inspector randomly observed the following work in progress:

OBG # TRIAL ASSEMBLY YARD

WELDING**Segment # 11BW ~ 11CW**

This QA inspector observed ZPMC qualified welding personnel identified as 040656 perform Shielded Metal Arc Welding (SMAW), weld joint identified as SP168-001-045; located On Orthotropic Box Girder (OBG) Side Plate T-Rib Web to Web CJP Weld; ZPMC Quality Control (QC) is identified as Mr. Wang Li Yang. The welding variables recorded by QC appeared to comply with the Applicable WPS-B-P-2213-B-U2-FCM-1.

Segment # 11BW

This QA inspector observed ZPMC qualified welding personnel identified as 040656 perform Shielded Metal Arc Welding (SMAW), weld joint identified as SEG067A-043; located On Orthotropic Box Girder (OBG) Bottom Plat to Side Plate CJP Weld; excavated weld due to UT rejected areas. The Critical Welding Repair Report

WELDING INSPECTION REPORT

(Continued Page 2 of 2)

(CWRR) was B-CWR2066. ZPMC Quality Control (QC) is identified as Mr. Wang Zhu. The welding variables recorded by QC appeared to comply with the Applicable WPS-345-SMAW 1G (1F) FCM Repair-1. See the attached Photo.

Segment # 11BW ~ 11CW

This QA inspector observed ZPMC qualified welding personnel identified as 057333 perform Shielded Metal Arc Welding (SMAW), weld joint identified as SP742-001-043; located On Orthotropic Box Girder (OBG) Side Plate T-Rib Web to Web CJP Weld; ZPMC Quality Control (QC) is identified as Mr. Wang Zhu. The welding variables recorded by QC appeared to comply with the Applicable WPS-B-P-2214-B-U2-FCM-1. See the attached Photo.

Segment # 11BW ~ 11CW

This QA inspector observed ZPMC qualified welding personnel identified as 040713 perform Shielded Metal Arc Welding (SMAW), weld joint identified as SP504-001-054; located On Orthotropic Box Girder (OBG) Side Plate T-Rib Web to Web CJP Weld; ZPMC Quality Control (QC) is identified as Mr. Wang Zhu. The welding variables recorded by QC appeared to comply with the Applicable WPS-B-P-2214-B-U2-FCM-1.

Segment # 11BW ~ 11CW

This QA inspector observed ZPMC qualified welding personnel identified as 053486 perform Shielded Metal Arc Welding (SMAW), weld joint identified as OBW11B-008; located On Orthotropic Box Girder (OBG) Deck Plate to Deck Plate CJP Weld; ZPMC Quality Control (QC) is identified as Mr. Zhou Peng. The welding variables recorded by QC appeared to comply with the Applicable WPS-B-T2231T.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

Only general conversation was held between QA and QC concerning this project.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang phone: 15000422372, who represents the Office of Structural Materials for your project.

Inspected By:	Prabhune, Manoj	Quality Assurance Inspector
Reviewed By:	Patterson, Rodney	QA Reviewer
